



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 100179; MBHB 03-210)

PATENT

In the Application of: )  
)  
Heinz H. BUSTA et al. )  
) Group Art Unit: Unassigned  
Serial No.: 10/675,417 )  
) Examiner: Unassigned  
Filed: September 30, 2003 )  
) Confirmation No.: Unassigned  
For: CURRENT CONTROLLING DEVICE )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

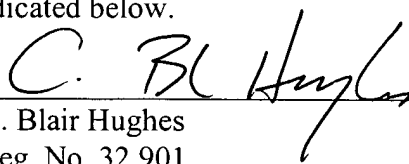
TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached papers for the above identified new patent application:  
☒ Information Disclosure Statement;  
☒ PTO-1449 Form; and  
☒ Return Receipt Postcard evidencing items stated herewith.
2. With respect to additional fees, no additional fee is required.
3. **GENERAL AUTHORIZATION:** Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** I hereby certify that I directed that this Transmittal Letter and the correspondence identified above be deposited with the United States Postal Service as "First Class Mail," addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Date: November 11, 2003

By :

  
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Reg. No. 32,901

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**PATENT**

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure provided by 37 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make all references listed in the PTO-1449 form enclosed herewith of record in the above-identified application.

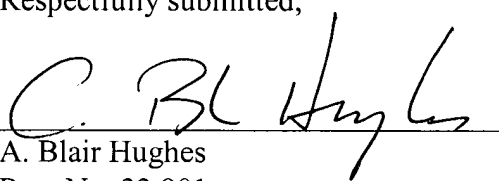
It is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.

Respectfully submitted,

Date: November 11, 2003

By:

  
A. Blair Hughes  
Reg. No. 32,901

FORM PTO-1449  
(Rev. 2-32)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

100179  
MBHB 03-210

Serial No.

10/675,417



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

**Applicant:**

Heinz H. BUSTA et al.

**Filing Date:**

9/30/2003

**Group:**

Unassigned

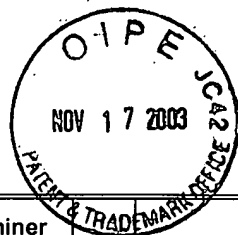
**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	4,789,648	12/6/1988	Chow et al.			
	2.	4,956,313	9/11/1990	Cote et al.			
	3.	5,137,544	8/11/1992	Medeliin			
	4.	5,157,876	10/27/1992	Medellin			
	5.	5,209,816	5/11/1993	Yu et al.			
	6.	5,244,523	9/14/1993	Tollini			
	7.	5,340,370	8/23/1994	Cadien et al.			
	8.	5,354,490	10/11/1994	Yu et al.			
	9.	5,391,258	2/21/1995	Brancaleoni et al.			
	10.	5,476,606	12/19/1995	Brancaleoni et al.			
	11.	5,527,423	6/18/1996	Neville et al.			
	12.	5,783,489	7/21/1998	Kaufman et al.			
	13.	5,954,997	9/21/1999	Kaufman et al.			
	14.	5,993,686	11/30/1999	Streinz et al.			
	15.	6,015,506	1/18/2000	Streinz et al.			
	16.	6,033,596	3/7/2000	Kaufman et al.			
	17.	6,039,891	3/21/2000	Kaufman et al.			
	18.	6,063,306	5/16/2000	Kaufman et al.			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	19.	6,068,787	5/30/2000	Grumbine et al.			
	20.	6,121,143	9/19/2000	Messner et al.			
	21.	6,128,214	10/3/2000	Kuekes et al.			
	22.	6,256,767	7/3/2001	Kuekes et al.			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	23.	Chen et al., "Nanoscale molecular-switch crossbar circuits," Nanotechnology 14:462-468, 2003.

EXAMINER

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